

Name: _____ Date: _____ Period: _____

Properties of Numbers worksheet

Name the property that each equation illustrates.

$$83 + 6 = 6 + 83$$

$$1 \cdot 4y = 4y$$

$$x + (-x) = 0$$

$$6 \cdot (x \cdot y) = (6 \cdot x) \cdot y$$

$$x + y = y + x$$

$$7(3 + 4y) = 21 + 28y$$

$$ab + c = ba + c$$

$$15x + 15y = 15(x + y)$$

$$\frac{2}{3} \cdot \frac{3}{2} = 1$$

Write the number that makes each statement true.

$27 + \underline{\hspace{2cm}} = 12 + 27$	$(8 + 20) + 9 = \underline{\hspace{2cm}} + (20 + 9)$
$9(8 - 5) = \underline{\hspace{2cm}} \cdot 8 - \underline{\hspace{2cm}} \cdot 5$	$8 \cdot 10 = 10 \cdot \underline{\hspace{2cm}}$
$3 \cdot (9 \cdot 6) = (3 \cdot 9) \cdot \underline{\hspace{2cm}}$	$(\underline{\hspace{2cm}} \cdot 6) + (\underline{\hspace{2cm}} \cdot 4) = 7(6 + 4)$

